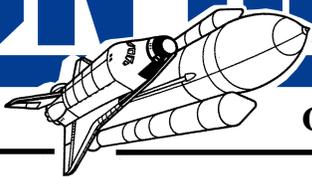


MISSION SUCCESS[®]

June 1, 2000

MICHLOUD



OPERATIONS

BULLETIN

Michoud dress goes casual

The long, hot New Orleans summer may not be quite so uncomfortable for Michoud Operations employees.

Beginning immediately, all employees are encouraged to dress in casual attire as appropriate for the reasonably expected circumstances of the workday.

"A coat and tie may still be called for to meet with a customer or other visitor," said **Hugh Farabaugh**, director of Human Resources. "But otherwise employees should dress comfortably.

"The option to dress casually is one way we are attempting to improve the quality of work life at Michoud Operations. In the upcoming months, we hope to announce additional plans to positively impact this area."

Casual dress attire should always reflect professionalism and show respect for fellow employees. Clothing, jewelry and hairstyle must be compatible at all times with the safety risks present in the work environment. Shorts, tattered clothing, sweat suits and sandals are considered inappropriate.

"We believe that casual dress will be well-received at Michoud," noted Farabaugh. "We hope that all employees - including management - will take advantage of this opportunity to enjoy more comfort and flexibility in their dress."



Members of the first Engineering Leadership Development Program class include (front row from left): Dave McCrary, Sandie Jackson and Esma Aldahir. Back row from left are Thomas James, Hale Davidson, J.B. Shelley and Alfred Donaldson. (Not pictured are Norma Bute, John Mischkot, Jennifer Takeshita and Riki Takeshita.)

Leaders of tomorrow meet developmental challenges

Michoud Operations is preparing for its future today through the Engineering Leadership Development program (ELDP). The goal of the ELDP is to provide a pipeline of high potential talent for technical and leadership positions.

The first class, consisting of 11 engineers, is currently in the midst of the two-year program that provides accelerated technical development opportunities.

Members of the first ELDP class are: **Esma Aldahir, Norma Bute, Hale Davidson, Alfred Donaldson, Sandie Jackson, Thomas James, Dave McCrary, John Mischkot, J.B. Shelley, Jennifer Takeshita and Riki Takeshita.**

When participants are accepted into the program, they agree to

pursue a graduate degree in an approved engineering course of study. Recently, the class completed a rigorous Technical Development Curriculum (TDC), spanning two semesters and covering 25 individual training classes. Local subject matter experts developed and facilitated courses in targeted technical disciplines such as Friction Stir Welding and Statistical Process Control.

Participants attended one class per week and then tackled a 15-20 hour homework assignment that was graded for credit. Through a negotiated agreement with the University of New Orleans, completion of the TDC courses earned participants six hours of credit toward graduate degrees.

Continued on Page 2

ELDP

Program participants also attend a series of Leadership Development Conferences in Bethesda, MD. There they gain corporate insight through interaction with executives and peers while attending classes focusing on leadership, interpersonal skills and complementary technical perspectives.

Participants also rotate through diverse technical assignments at Michoud to gain a broad base of experience and benefit from the opportunity to explore interests and career options prior to moving into long-term assignments.

“Increasingly, Mission Success depends on our organizational capacity to share technical knowledge and to develop our people to their fullest potential,” noted **Dennis Deel**, Michoud Operations president and general manager, at a recent breakfast ceremony to recognize TDC instructors.

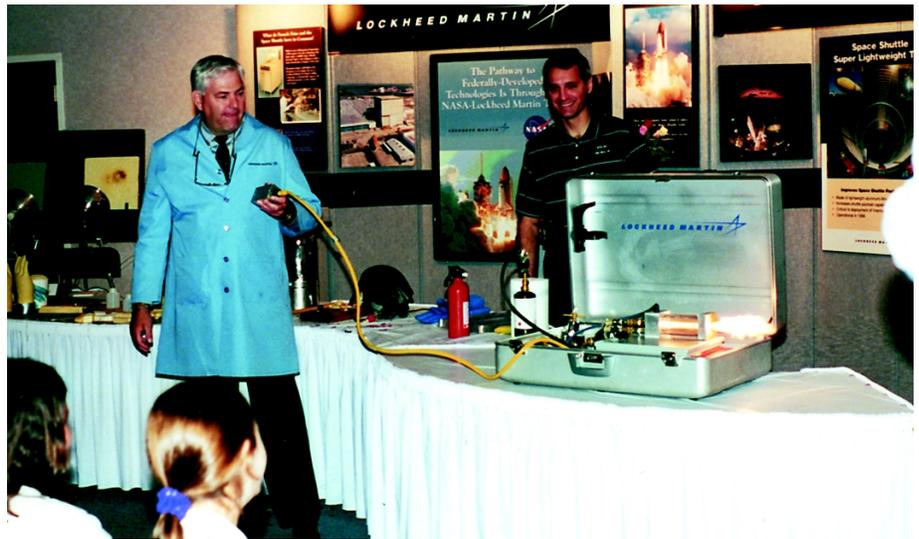
“The training classes developed for the Engineering Leadership Development Program are a rich developmental resource for program participants and the rest of the engineering population.”

Alfred Donaldson called the TDC an excellent experience. “Each instructor provided a ‘big picture’ view of the External Tank Project while revealing how engineering, environmental science, customer relations and finance are integral components of Michoud Operations.”

Others believed the TDC courses provided a refresher for engineering basics and introduced the students to new manufacturing processes and ideas.

“Instructors presented the latest technologies relative to new business, and we learned useful tools and information for problem solving” said **Esma Aldahir**.

The newest group to benefit from the ELDP - the class of 2000 - will begin in August and consists of **Jamie Wolford, John Pazos, Kevin Davis, Andrew Clouatre** and **Katherine Jakielski**.



Michoud Operations celebrates Space Day 2000

Michoud's Gordon Dyer (left) demonstrates a miniature hybrid motor firing as students and astronaut Rick Linnehan look on during May 4 Space Day activities at the Kenner Daily Living Science Center.

Energy savings efforts being promoted

So, what's the big deal about turning off lights, office equipment and computers at the end of the day?

Those little efforts reap big rewards in saving energy and money annually on Michoud Operations' electrical bill.

“The key to Michoud's success starts with each individual,” **Felix Rosiere**, Facilities Energy Manager, said. “Although electricity accounts for approximately 70 percent of the annual \$9 million utilities bill, it is the one element that can be easily controlled.”

A recent NASA energy spot audit demonstrated the effectiveness of Michoud's energy management efforts. But the government is challenging all its sites to accomplish even more in terms of energy conservation.

To further reduce energy costs, Facilities & Environmental Opera-

tions has reinstated “lights off” rounds on 2nd and 3rd shifts, in addition to automated office lighting in Buildings 101 and 102. Also, renewable energy sources are in place as warning lights at two pedestrian crosswalks along Venus Drive.

Even water reduction is getting a helping hand from technology. Infrared water valves now automatically turn water off in Buildings 101 and 102 restrooms when employees use the sinks.

NASA Energy Manager **Jeff Irby** recently reorganized the Energy Conservation Committee (ECC) with new representation across the facility. “The aim of the ECC is to promote energy awareness at Michoud and to identify potential energy savings projects,” he said.

Ideas, suggestions or questions can be directed to your organization's ECC member:

Jeff Irby	NASA	7-2604
Felix Rosiere	Facilities & Environmental Operations	7-2578
Ned Coletta	Program Management & Technical Ops	7-2082
Harry Nelson	Program Management & Technical Ops	7-3182
Gene Hartley	Product Assurance	7-3702
Joe Corona	Human Resources	7-1290
Dick Clavin	Materiel Sourcing	7-1634
Emory Hodges	Production Operations	7-3762
Lisa Buller	Business Operations	7-1361
Kraig Kittel	USDA	7-5598
Tony Kirby	UNO National Biodynamics Laboratory	7-3916



Space Systems Company has bevy of launch achievements

In addition to STS-101 on May 19, Lockheed Martin Space Systems Company had a string of successful launches recently.

- May 24 — Atlas III, the newest rocket to fly from Cape Canaveral, made its debut in a dramatic liftoff powered by the new Russian RD-180 engine. The launch marks the 50th consecutive successful Atlas flight, a reliability record that is the industry standard. Atlas delivered a digital communications satellite to orbit.

- May 10 — A Global Positioning System satellite built in Sunnyvale, CA, was launched from Cape Canaveral. The company will supply 17 more of these satellites to the U.S. Air Force over the next five years.

- May 8 — The Air Force Titan 4B launched the Defense Support Program-20 missile warning satellite and Inertial Upper Stage-22 at Cape Canaveral.

- May 3 — Atlas 2A launched the GOES-L weather satellite for NASA and NOAA at the Cape.

Michoud Operations monitors propellant loading and the External Tank during Space Shuttle countdowns from the newly renovated Mission Support Room (MSR) in Building 101.

5:01 a.m. May 19. Twenty-five engineers and technicians in Bldg. 101 are concentrating on STS-101, which is minutes away from launch at Kennedy Space Center.

This one has been exasperating. Three scrubs back in April, but this morning's weather looks promising. NASA has just come out of a planned hold at T-9 minutes, and the countdown is rolling.

At T-3:30 and counting, main engine gimbal check. Then the GO2 vent arm is retracted. At T-3 minutes, the oxygen tank is pressurized. Then the hydrogen tank.

A voice comes over the radio, "We're on our way to the station (International Space Station). We'd like to say thanks to everyone who made it happen. We'll see you in about a week and a half."

That's Commander **Jim Halsell**

of West Monroe. This is his fifth and probably last trip into space since accepting a new NASA position.

The red countdown clock in the MSR is running out of numbers. One minute.

10-9-8-7...At six seconds the main engines fire, and suddenly the pad flames orange.

As the countdown goes to zero, Atlantis lifts off. Everyone in the MSR is pumped now. But controlled. There's still 8 ½ minutes to go for the External Tank.

NASA has dramatically upgraded the MSR. Engineers now monitor the ET on enhanced work stations. The room also has more communications equipment and a multi-task overhead projector.

The SRBs separate at 2:14 into flight. At 2:46 Atlantis can reach an emergency landing site across the ocean if it had to.

Finally, between 8:30 and 8:45 into flight, chief engineer **Gale Copeland** hears "MECO", which is Main Engine Cutoff. That means the ET has safely delivered the astronauts to space and separated from Atlantis.



Atlas III launches on May 24, 2000

"Well done!" Copeland exhorts.

Wanda Sigur, director, Engineering & Technical Laboratories, phones in from KSC, thanking everyone in the room.

Jim Feeley who runs MSR says, "Well, it went pretty well."

"Just like putting socks on a rooster!" Copeland jokes.

Michoud Opens Safety & Health Fair

Kick safety up a notch and visit the annual Safety and Health Fair from 11 a.m. to 1 p.m. in Building 351 on June 6 & 7, and in Bldg 103 on June 8 & 9.

With 50 exhibit booths, this year's fair has something for everyone—from how to do it safer on the job to getting smarter about skin cancer.

Health care professionals at the fair range the gamut, from mainstream medicine to magnets and massages.

Take a few minutes now and check your blood pressure, cholesterol or blood sugar levels, and prolong your life.

Before heading out on the waterfront, make way to the booths that offer safety tips for boating and other outdoor sports.

As an added attraction, astronaut **Chris Ferguson** will be on hand at

Bldg 103's opening ceremony (Column K-4) at 10:45 a.m. June 8 to present Silver Snoopy awards to select employees who demonstrate that safety is a perpetual state of mind.

So come on out and KICK SAFETY UP A NOTCH!



EMPLOYEE NEWS

Bone marrow request

A Lockheed Martin employee in Sunnyvale, California is asking all employees to consider registering with the National Bone Marrow Registry. Stephen Hightower, whose wife Jacquelyn has leukemia, hopes to raise awareness of the registry and find a match for his wife and others who need bone marrow transplants. Jacquelyn worked for Lockheed Martin before she retired to raise their daughter. Visit the National Bone Marrow Registry at:
<http://www.marrows.org>

MILESTONES

Employees celebrating milestone anniversaries with Lockheed Martin in May include:

25 years

Morgan Ballard
Lawrence Brignac
Samuel Ducksworth
Lettie Pichon
Patricia Stein

20 years

John Alexander
Judy Atilano
Timothy Barkley

Employees offered online appliance discounts

Need a new washer or refrigerator? The online GE Appliance Store is available to Lockheed Martin employees and family members through the Internet or the corporate Intranet. The easy, secure program enables employees to purchase major home appliances at savings of up to 20% with delivery direct to the home.

The online GE Appliance Store Grand Opening Sale will take place June 1 through June 22, with employees receiving up to 10% additional savings on their purchases.

For further information, employees can access the GE website locations:

<http://www.register2buy.com> and use LMCOSPP as the authorization code or <http://ge-marketplace.global.lmco.com>



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Rodney Broussard
Timothy Daggett
James Duke

Steve Enxing
Merlin Foley
Timothy Harper
Gordon Jarrell
Connie B. Johnson
Brian Knipfing
Andrea Labat-Henderson
Jeffery McFarland
Harold Merritt
Hollis Monroe
Christophe Morah
Mark Ryan
Babette Staunton
Billy Thomas
Kathleen Wakefield

Walter Whitfield
Joseph Wilbert

15 years

Leroy Ellsworth
Miriam Fleming
Edward Lott
Patrick Shea
Daniel Walkowski
Douglas Webb

10 years

Kenneth Leveque
Erich Schatzle
Richard Treat

5 years

Joseph Bernhardt

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